APPROVED BY DRAFTSMAN | O.G. FIG. CLASS | SUBCLASS

FIG. 1 PRIOR ART

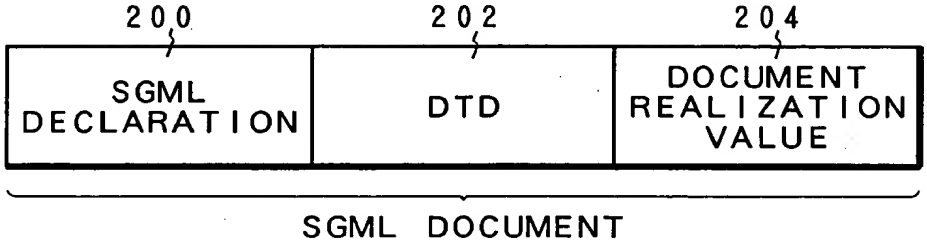

FIG. 2 PRIOR ART

```
                                .........
<!----------Link Markup ----------------------->
<!ENTITY % linkType "NAMES">
<!ENTITY % linkExtraAttributes
        "REL %linkType#IMPLIED
        REV %linkType#IMPLIED
        URN CDATA#IMPLIED
        TITLE CDATA#IMPLIED
        METHODS NAMES#IMPLIED
        ">
<![% HTML.Recommended [
        <!ENTITY % A.content  "(%text)* "
        --<H1><a name="xxx">Heading</a></H1>
                  is preferred to
            <a name="xxx"></H1>Heading</H1></a>
        -->
]]>
<!ENTITY % A.content  "(%heading | %text)* ">
<!ELEMENT A       --%A.content-(A)>
<!ATTLIST A
         HREF CDATA#IMPLIED
         NAME CDATA#IMPLIED
         %linkExtraAttributes;
         %SDAPREF;"<Anchor:#AttList>"
<!--<A>              Anchor;source/destination of link   -->
<!--<A NAME="...">    Name of this anchor                  -->
<!--<A HREF="...">    Address of link destination          -->
<!--<A URN="...">     Permanent address of destination     -->
                        .........
```

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O.G. FIG.
CLASS
SUBCLASS

FIG. 3

<TITLE>SPECIFICATION OF THE INVENTION (DEVICE) </TITLE>
<SECTION>TITLE OF THE INVENTION (DEVICE) </SECTION>
DATA COMPRESSING·RECONSTRUCTING METHOD AND APPARATUS AND DOCUMENT MANAGEMENT SYSTEM<P>
<SECTION>SCOPE OF CLAIM</SECTION>
<SUBSECTION>A DATA COMPRESSING APPARATUS FOR ENCODING INPUT DATA,
</SUBSECTION>
<LIST>
<ITEM>MEANS FOR HOLDING A CODE TABLE
<ITEM>STEP OF ENCODING INPUT DATA ON THE BASIS OF A CODE TABLE
</LIST>A DATA COMPRESSING METHOD CHARACTERIZED BY COMPRISING:<P>
<SECTION>DETAILED DESCRIPTION OF THE INVENTION</SECTION>
<SUBSECTION>INDUSTRIAL FIELD OF UTILIZATION</SUBSECTION>
<PARAGRAPH>IN RECENT YEARS, VARIOUS KINDS OF DATA SUCH AS CHARACTER CODES, VECTOR INFORMATION, AND IMAGES HAS BEEN HANDLED BY A COMPUTER AND AN AMOUNT OF DATA WHICH IS HANDLED IS ALSO RAPIDLY INCREASING. WHEN A LARGE AMOUNT OF DATA IS HANDLED, BY COMPRESSING THE DATA AMOUNT BY OMITTING REDUNDANT PORTIONS IN THE DATA, A MEMORY CAPACITY CAN BE REDUCED AND THE DATA CAN BE TRANSMITTED AT A HIGH SPEED.
<PARAGRAPH>RECENTLY, THERE IS A TREND OF UNIFYING FORMATS OF DOCUMENTS WHICH ARE HANDLED BY COMPUTERS. THE FORMATS OF DOCUMENTS WHICH WERE DIFFERENT FOR COMPUTERS OR APPLICATIONS SO FAR ARE ENABLED TO BE USED EVEN BY DIFFERENT COMPUTERS. <TT>SGML (STANDARD GENERALIZED MARKUP LANGUAGE) </TT>IN 1986, IS

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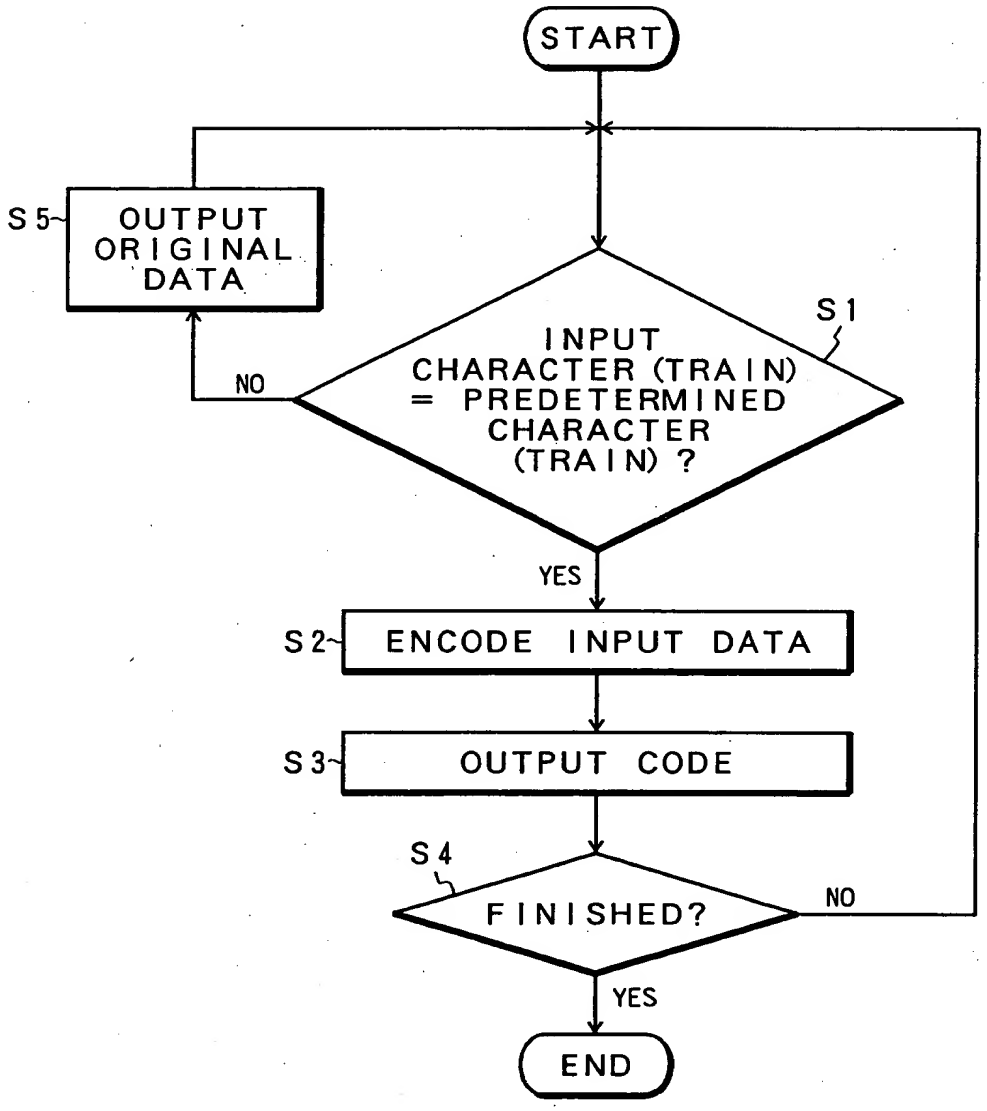
FIG. 4



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APPROVED BY DRAFTSMAN | O.G. FIG. CLASS SUBCLASS

FIG. 5

```
<TITLE>SPECIFICATION OF THE INVENTION(DEVICE)</TITLE><P>
<SECTION>TITLE OF THE INVENTION(DEVICE)</SECTION>
 275fe5a1d8... (COMPRESSION AREA) ... 6efc312903
<SECTION>SCOPE OF CLAIM</SECTION>
<SUBSECTION>A DATA COMPRESSING APPARATUS FOR ENCODING INPUT DATA,
            </SUBSECTION>
 6ef208ca9d... (COMPRESSION AREA) ... 358eac0e66f8
<SECTION>DETAILED DESCRIPTION OF THE INVENTION</SECTION>
<SUBSECTION>INDUSTRIAL FIELD OF UTILIZATION</SUBSECTION>
 398ecad978... (COMPRESSION AREA) ...  ffd938e06b
```

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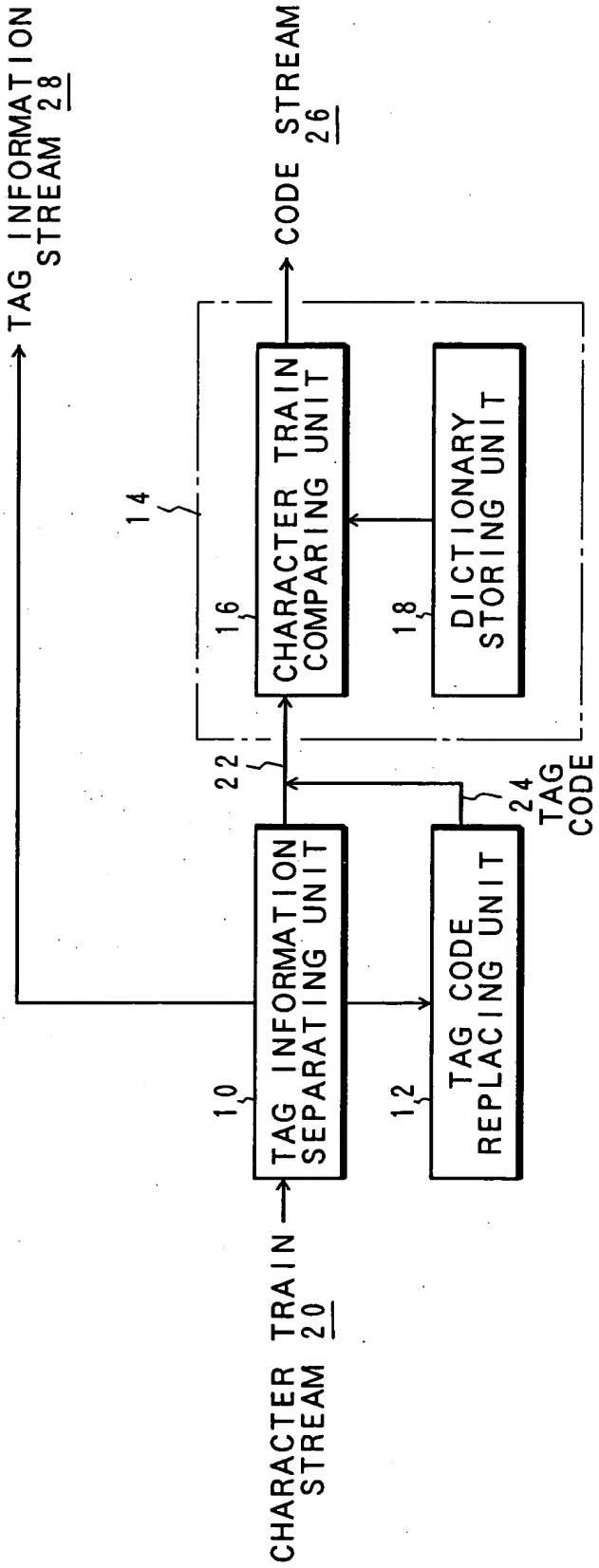
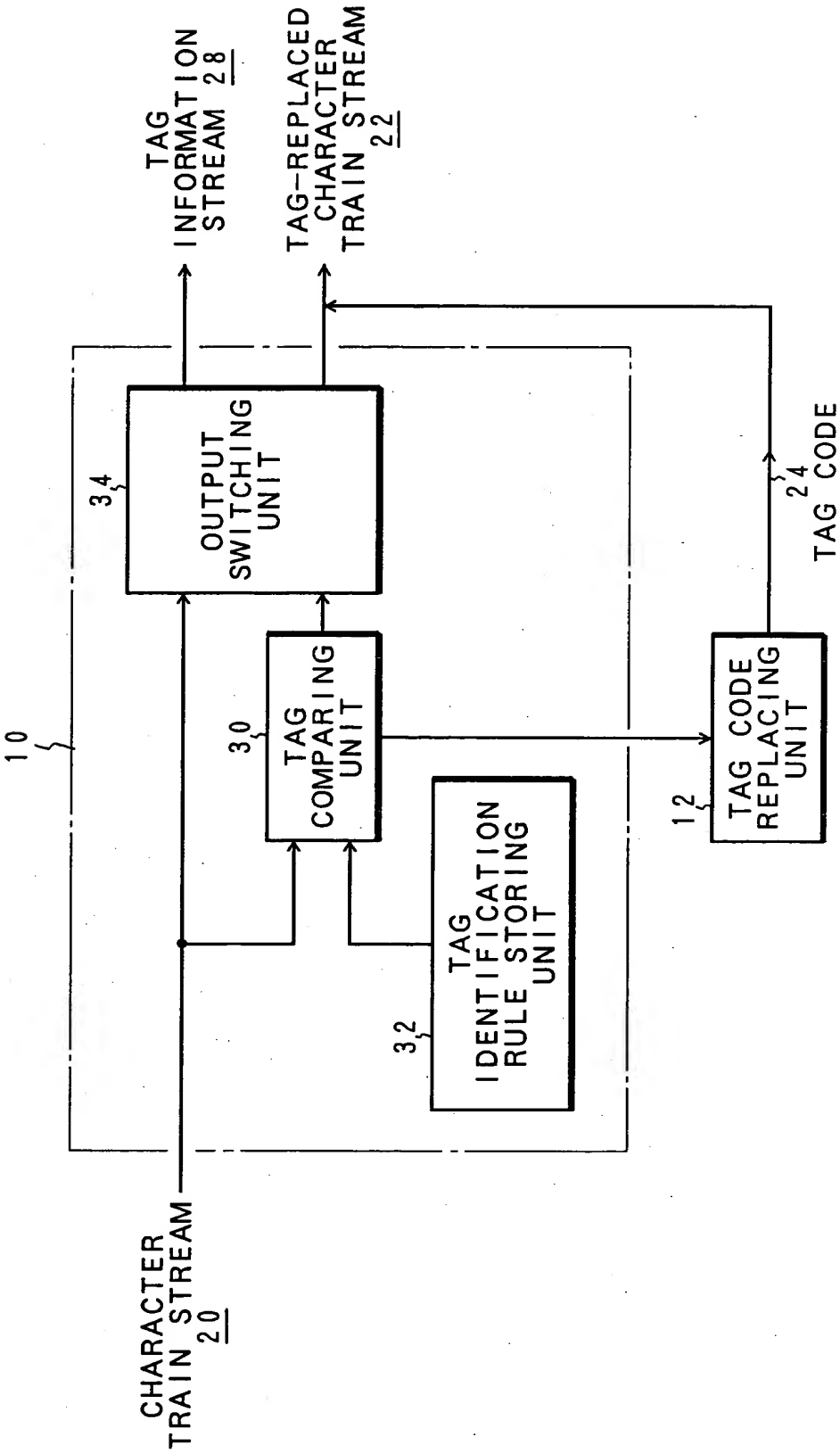
FIG. 6



APPROVED BY DRAFTSMAN | O.G. FIG. | CLASS | SUBCLASS

FIG. 7



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DRAFTSMAN
O.G. FIG.
CLASS
SUBCLASS

FIG. 8

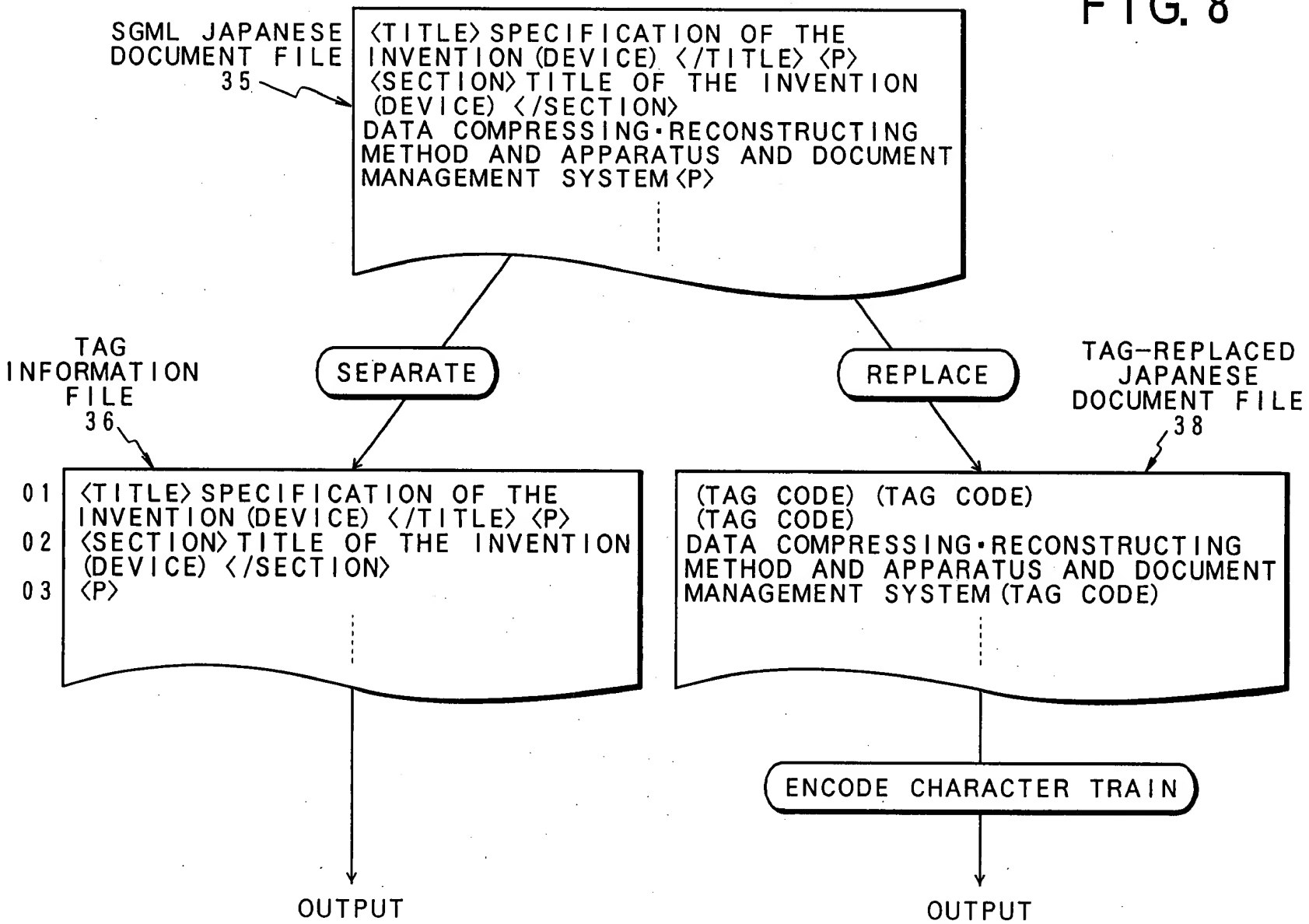

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FIG. 9

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(TAG CODE) (TAG CODE)
(TAG CODE)
DATA COMPRESSING·RECONSTRUCTING METHOD AND APPARATUS AND DOCUMENT MANAGEMENT SYSTEM (TAG CODE)
(TAG CODE)
(TAG CODE)
(TAG CODE)
A DATA COMPRESSING METHOD CHARACTERIZED BY COMPRISING THE STEPS OF:
(TAG CODE)
(TAG CODE)
(TAG CODE)
(TAG CODE) IN RECENT YEARS, VARIOUS KINDS OF DATA SUCH AS CHARACTER CODES, VECTOR INFORMATION, AND IMAGES HAS BEEN HANDLED BY A COMPUTER AND AN AMOUNT OF DATA WHICH IS HANDLED IS ALSO RAPIDLY INCREASING. WHEN A LARGE AMOUNT OF DATA IS HANDLED, BY COMPRESSING THE DATA AMOUNT BY OMITTING REDUNDANT PORTIONS IN THE DATA, A MEMORY CAPACITY CAN BE REDUCED AND THE DATA CAN BE TRANSMITTED AT A HIGH SPEED.
(TAG CODE) RECENTLY, THERE IS A TREND OF UNIFYING FORMATS OF DOCUMENTS WHICH ARE HANDLED BY COMPUTERS. THE FORMATS OF DOCUMENTS WHICH WERE DIFFERENT FOR COMPUTERS OR APPLICATIONS SO FAR ARE ENABLED TO BE USED EVEN BY DIFFERENT COMPUTERS. (TAG CODE) IN 1986, ISO...

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APPROVED BY DRAFTSMAN
O.G. FIG.
CLASS SUBCLASS

FIG. 10

36

```
01 <TITLE> SPECIFICATION OF THE INVENTION (DEVICE) </TITLE>
02 <P>
03 <SECTION> TITLE OF THE INVENTION (DEVICE) </SECTION>
04 <P>
05 <SECTION> SCOPE OF CLAIM </SECTION>
06 <SUBSECTION> A DATA COMPRESSING APPARATUS FOR ENCODING INPUT DATA
                </SUBSECTION>
07 <LIST>
      <ITEM> MEANS FOR HOLDING A CODE TABLE
      <ITEM> STEP OF ENCODING INPUT DATA ON THE BASIS OF A CODE TABLE
   </LIST>
08 <P>
09 <SECTION> DETAILED DESCRIPTION OF THE INVENTION </SECTION>
10 <SUBSECTION> INDUSTRIAL FIELD OF UTILIZATION </SUBSECTION>
11 <PARAGRAPH>
12 <PARAGRAPH>
13 <TT> SGML (STANDARD GENERALIZED MARKUP LANGUAGE) </TT>
   ...
```

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CLASS
SUBCLASS
O.G. FIG.

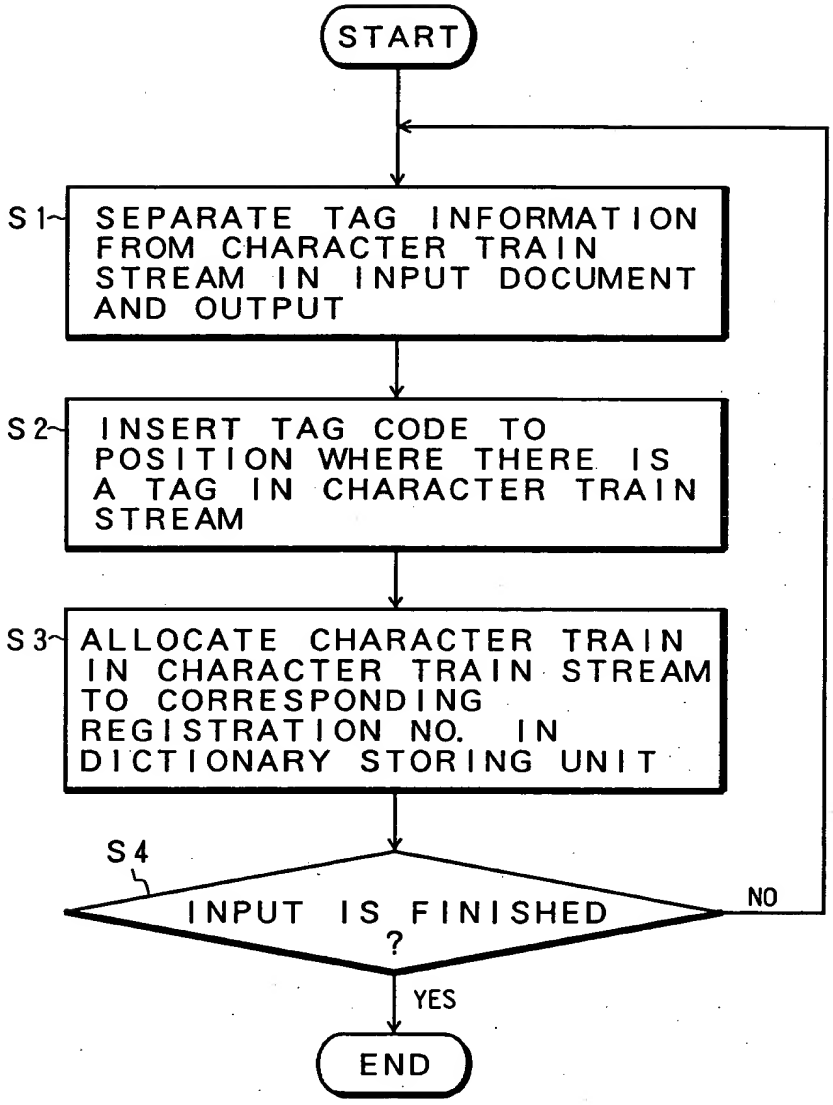
FIG. 11

38

(TAG CODE 1) (TAG CODE 2)
(TAG CODE 3)
DATA COMPRESSING·RECONSTRUCTING METHOD AND APPARATUS AND DOCUMENT MANAGEMENT SYSTEM (TAG CODE 4)
(TAG CODE 5)
(TAG CODE 6)
(TAG CODE 7)
A DATA COMPRESSING METHOD CHARACTERIZED BY COMPRISING THE STEPS OF:
(TAG CODE 8)
(TAG CODE 9)
(TAG CODE 10)
(TAG CODE 11) IN RECENT YEARS, VARIOUS KINDS OF DATA SUCH AS CHARACTER CODES, VECTOR INFORMATION, AND IMAGES HAS BEEN HANDLED BY A COMPUTER AND AN AMOUNT OF DATA WHICH IS HANDLED IS ALSO RAPIDLY INCREASING. WHEN A LARGE AMOUNT OF DATA IS HANDLED, BY COMPRESSING THE DATA AMOUNT BY OMITTING REDUNDANT PORTIONS IN THE DATA, A MEMORY CAPACITY CAN BE REDUCED AND THE DATA CAN BE TRANSMITTED AT A HIGH SPEED.
(TAG CODE 12) RECENTLY, THERE IS A TREND OF UNIFYING FORMATS OF DOCUMENTS WHICH ARE HANDLED BY COMPUTERS. THE FORMATS OF DOCUMENTS WHICH WERE DIFFERENT FOR COMPUTERS OR APPLICATIONS SO FAR ARE ENABLED TO BE USED EVEN BY DIFFERENT COMPUTERS. (TAG CODE 13) IN 1986, ISO...

APPROVED BY DRAFTSMAN | O.G. FIG. | CLASS | SUBCLASS

FIG. 12



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DRAFTSMAN
O.G. FIG.
CLASS
SUBCLASS

FIG. 13

PART OF SPEECH CLASS	THE NUMBER OF MORPHEMES (THE TOTAL NEMBER)	COMPONENT RATIO (%)	THE NUMBER OF MORPHEMES (THE DIFFERENT NUMBER)	COMPONENT RATIO (%)
NOUN CLASS	1, 375, 378	26. 1	110, 912	81. 3
VERB CLASS	622, 125	11. 8	14, 638	10. 7
ADJECTIVE CLASS	58, 742	1. 1	1, 204	0. 9
ADJECTIVE VERB CLASS	61, 192	1. 2	3, 796	2. 8
ADVERB CLASS	74, 332	1. 4	2, 934	2. 1
PARTICIPIAL ADJECTIVE CLASS	40, 271	0. 8	247	0. 2
CONJUNCTION CLASS	23, 562	0. 4	247	0. 2
PREFIX CLASS	21, 063	0. 4	318	0. 2
SUFFIX CLASS	122, 954	2. 3	1, 330	1. 0
WORDS' ENDING CLASS	631, 304	12. 0	155	0. 1
POST POSITIONAL WORD CLASS	1, 402, 757	26. 7	171	0. 1
AUXILIARY VERB CLASS	319, 852	6. 1	203	0. 1
INTERJECTION CLASS	356	0. 0	105	0. 1
OTHERS	508, 333	9. 7	226	0. 2
TOTAL	5, 262, 221	100. 0	136, 486	100. 0

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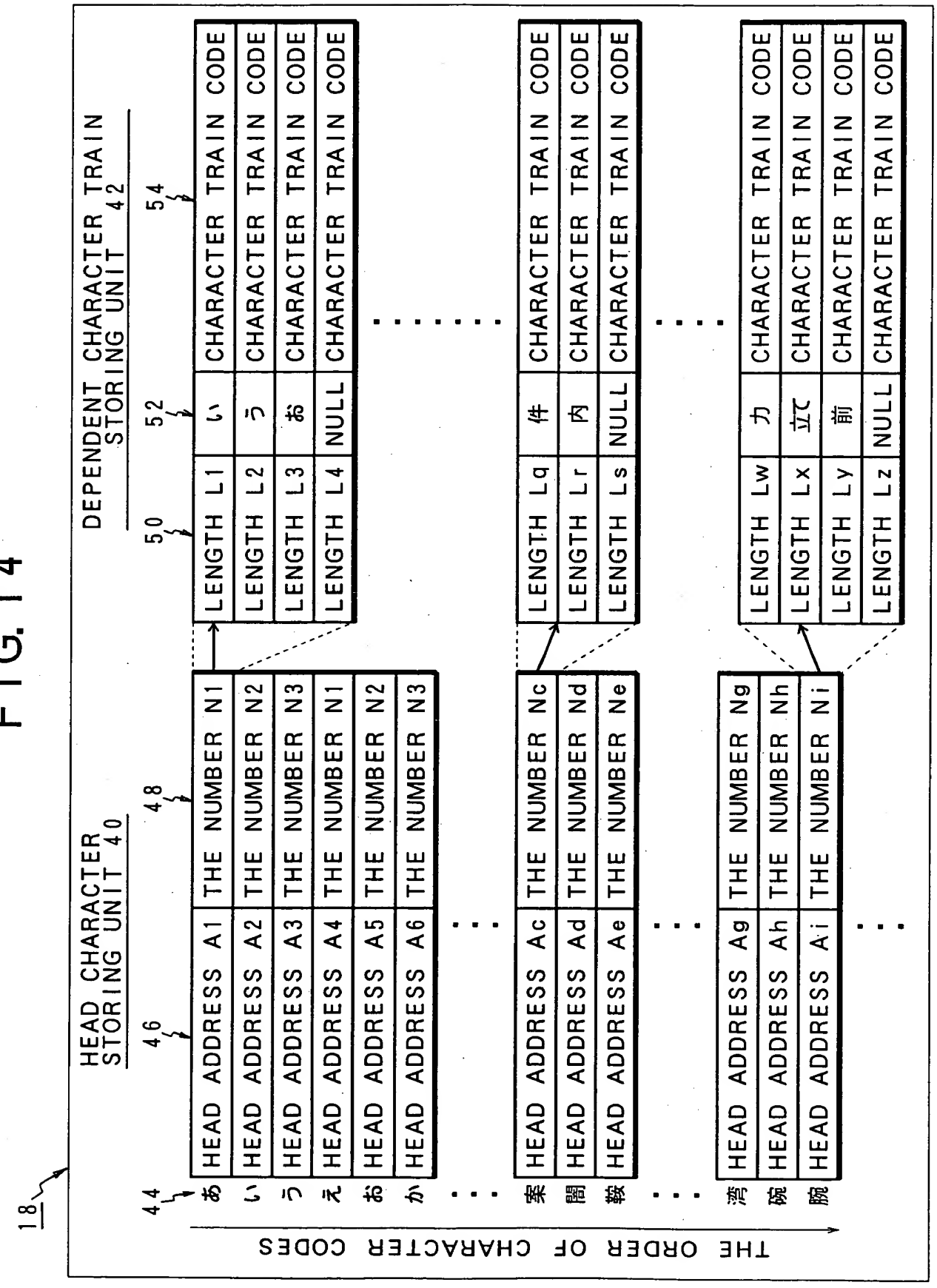
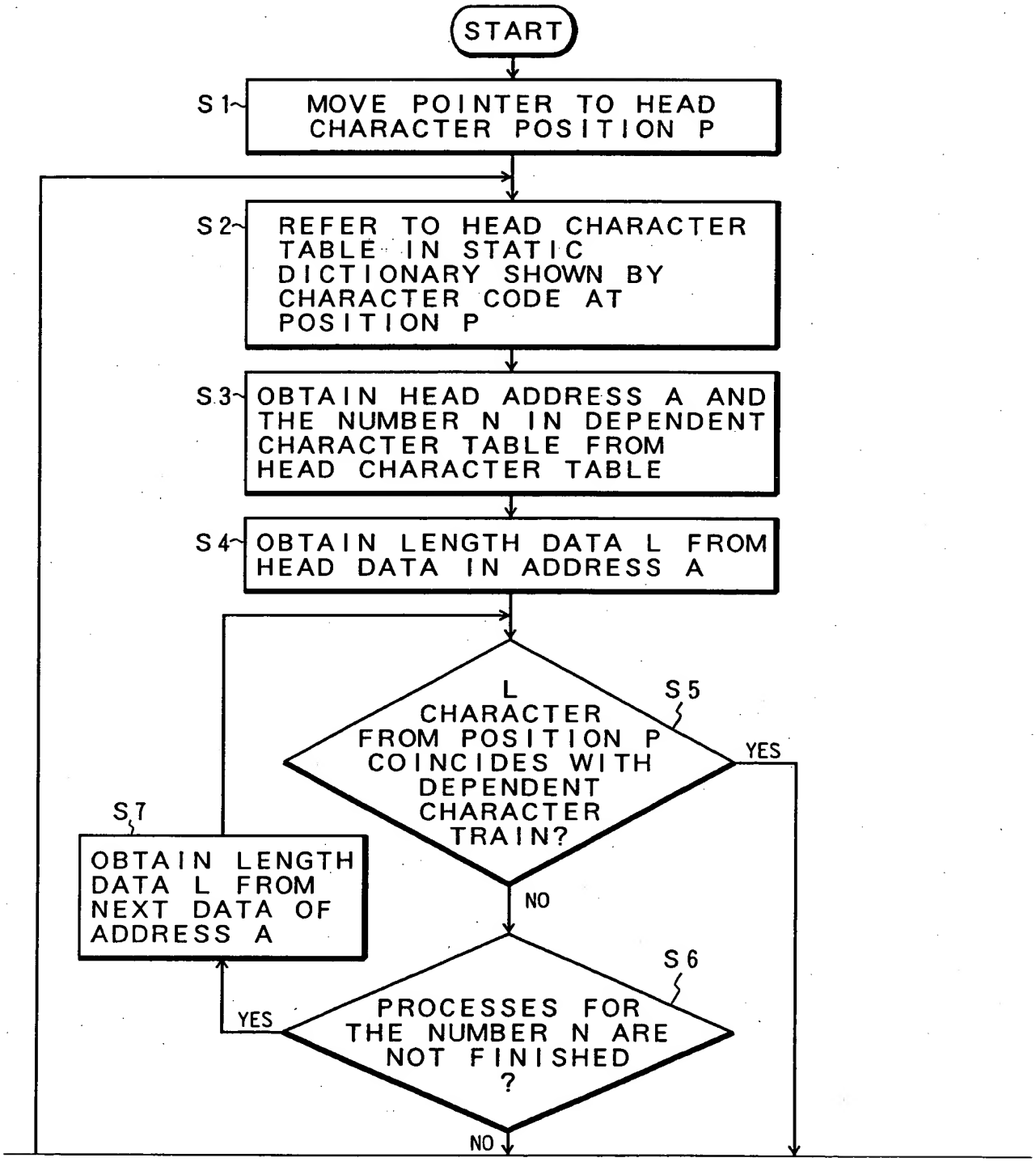
O.G. FIG.
CLASS | SUBCLASS

FIG.14



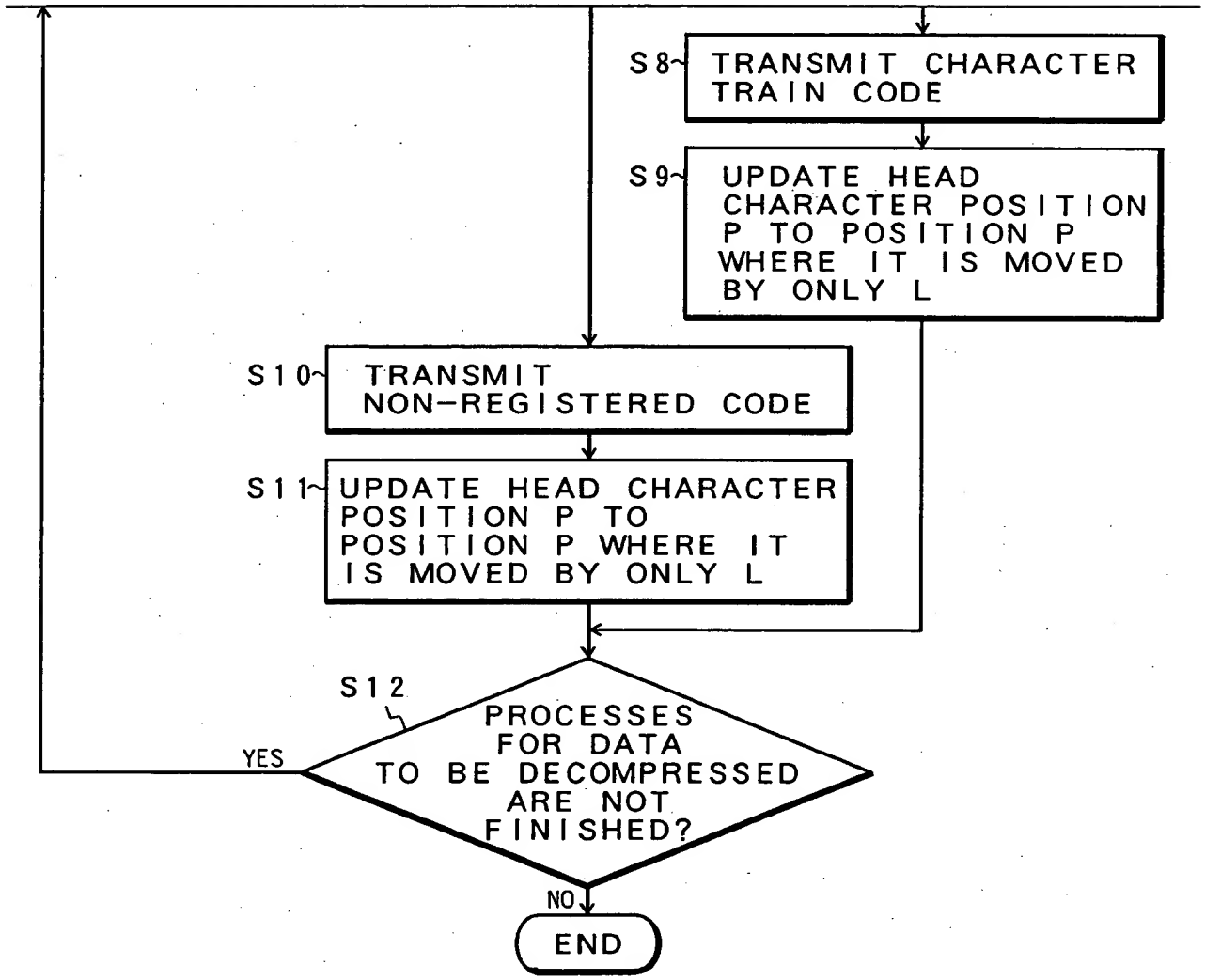
APPROVED BY DRAFTSMAN | O.G. FIG. | CLASS | SUBCLASS

FIG. 15A



APPROVED BY DRAFTSMAN | O.G. FIG. | CLASS | SUBCLASS

FIG. 15B



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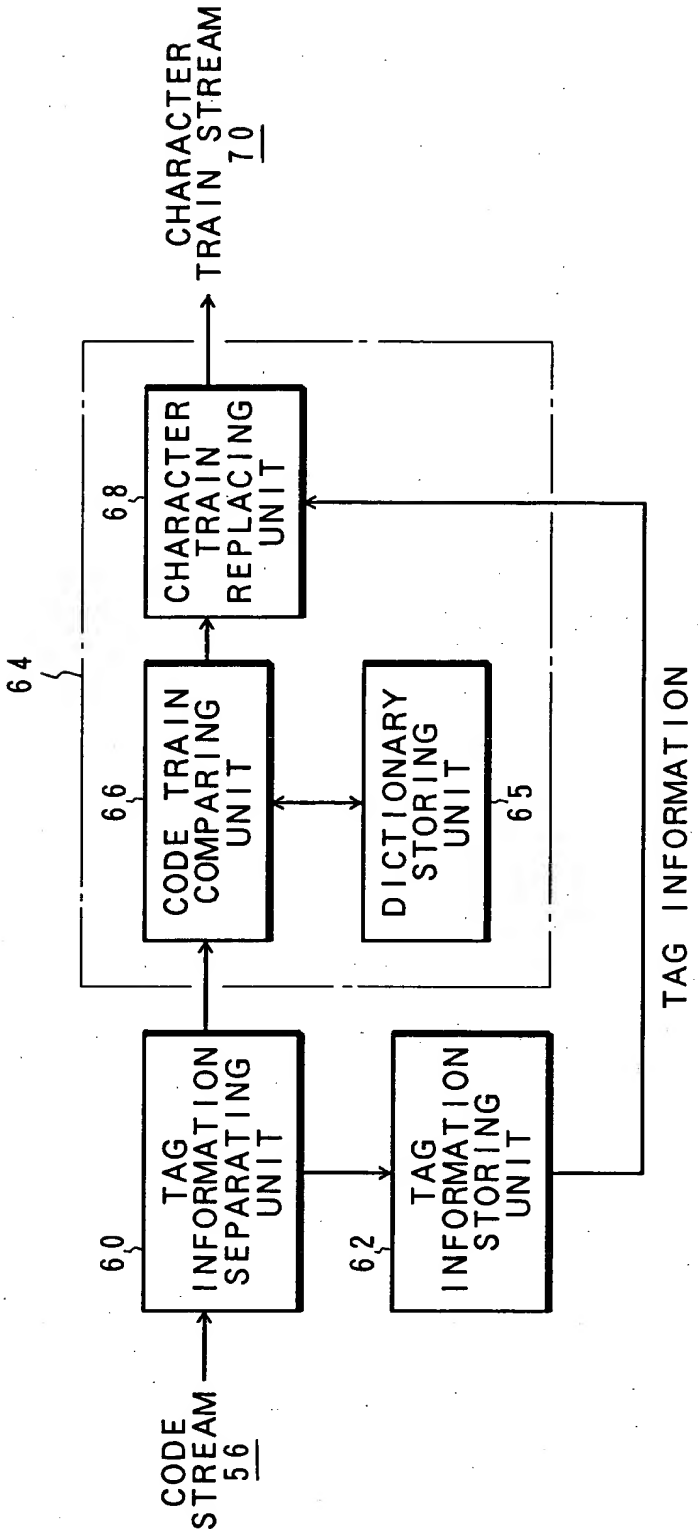
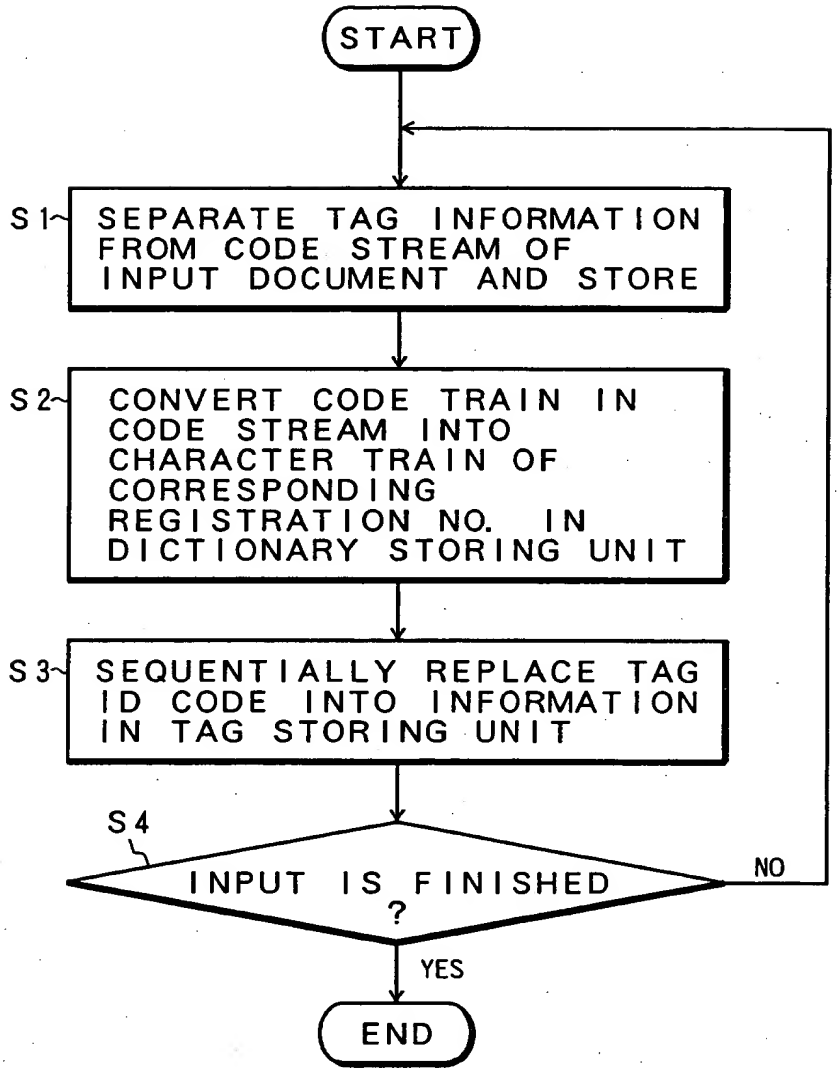
APPROVED BY DRAFTSMAN | O.G. FIG. CLASS | SUBCLASS

FIG. 16



APPROVED BY DRAFTSMAN | O.G. FIG. | CLASS | SUBCLASS

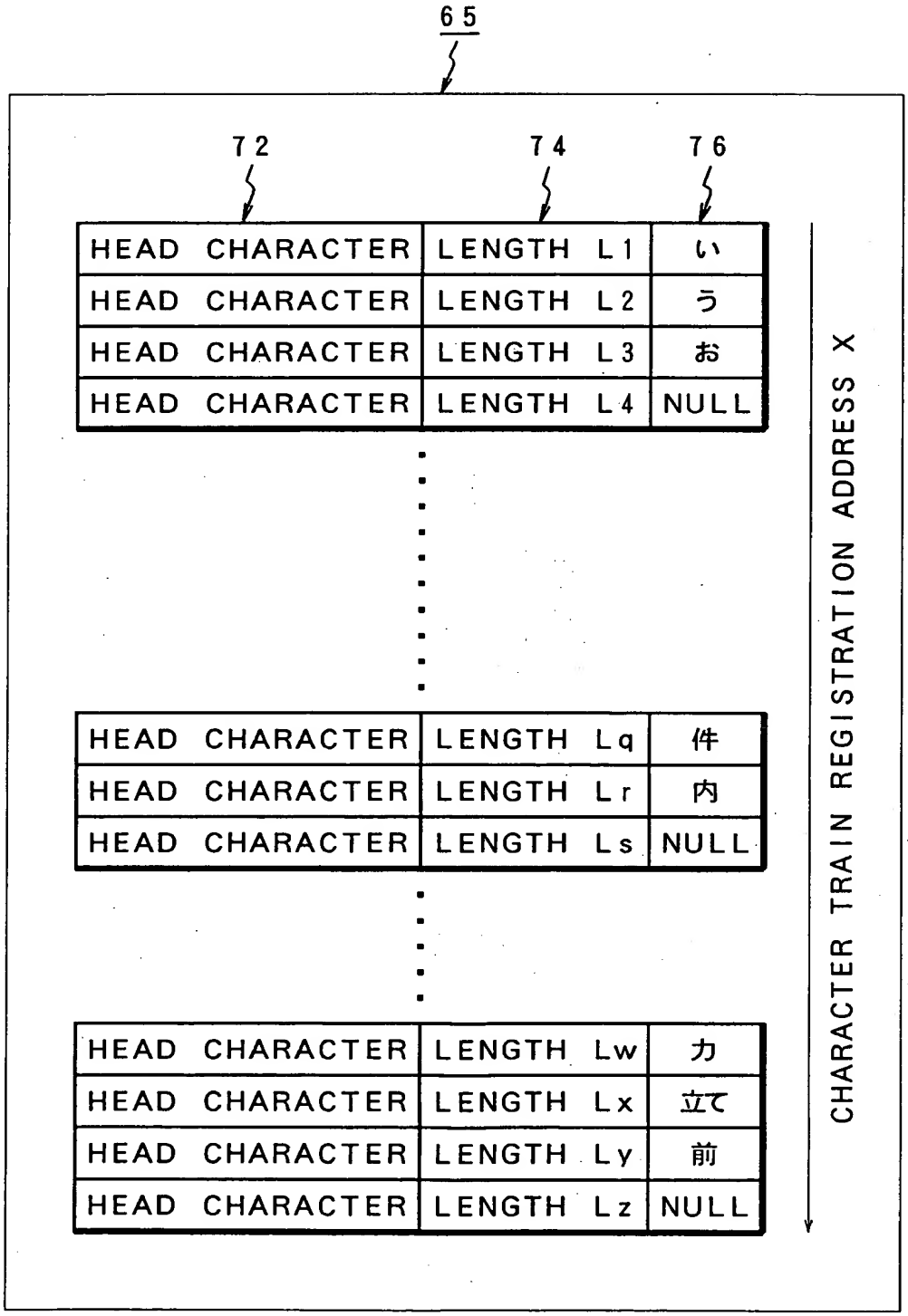
FIG. 17



0054760 05552960

APPROVED BY DRAFTSMAN | O.G. FIG. | CLASS | SUBCLASS

FIG. 18



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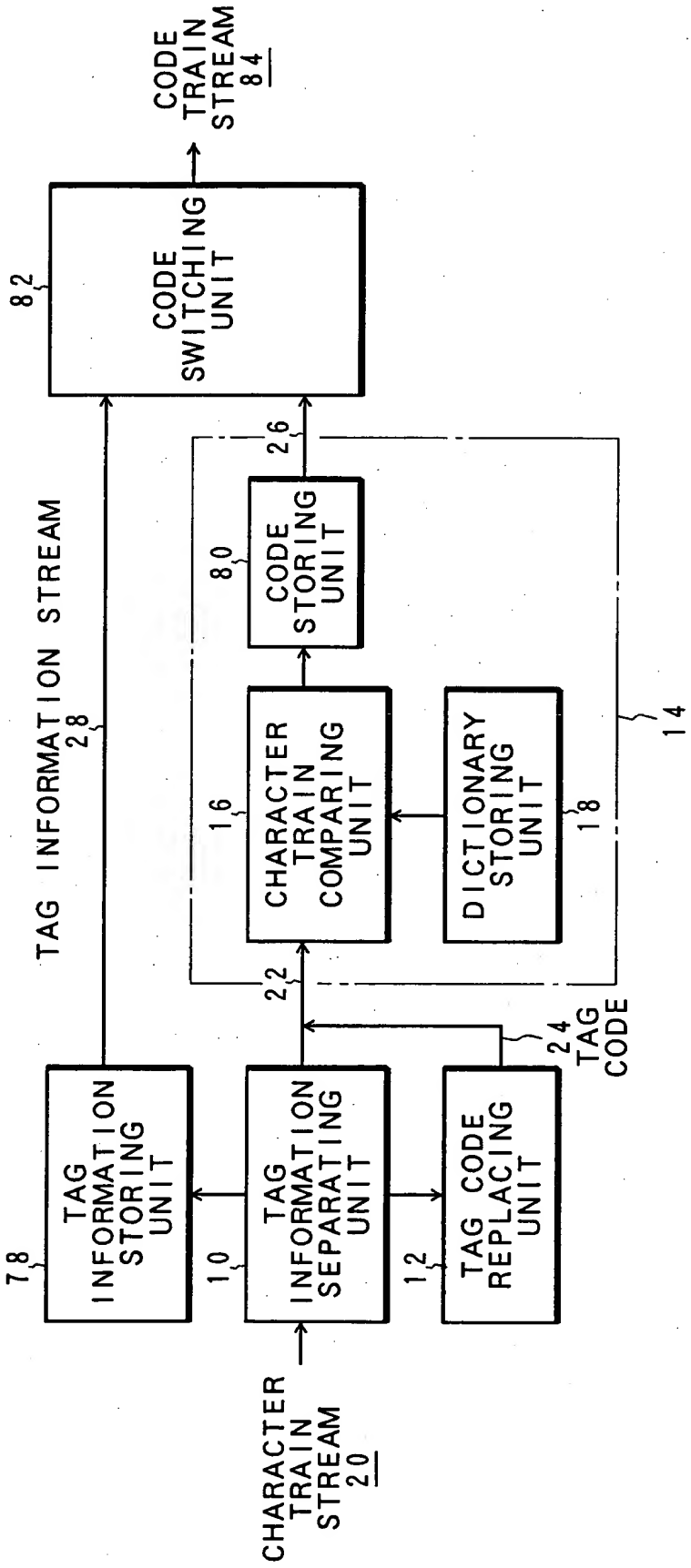
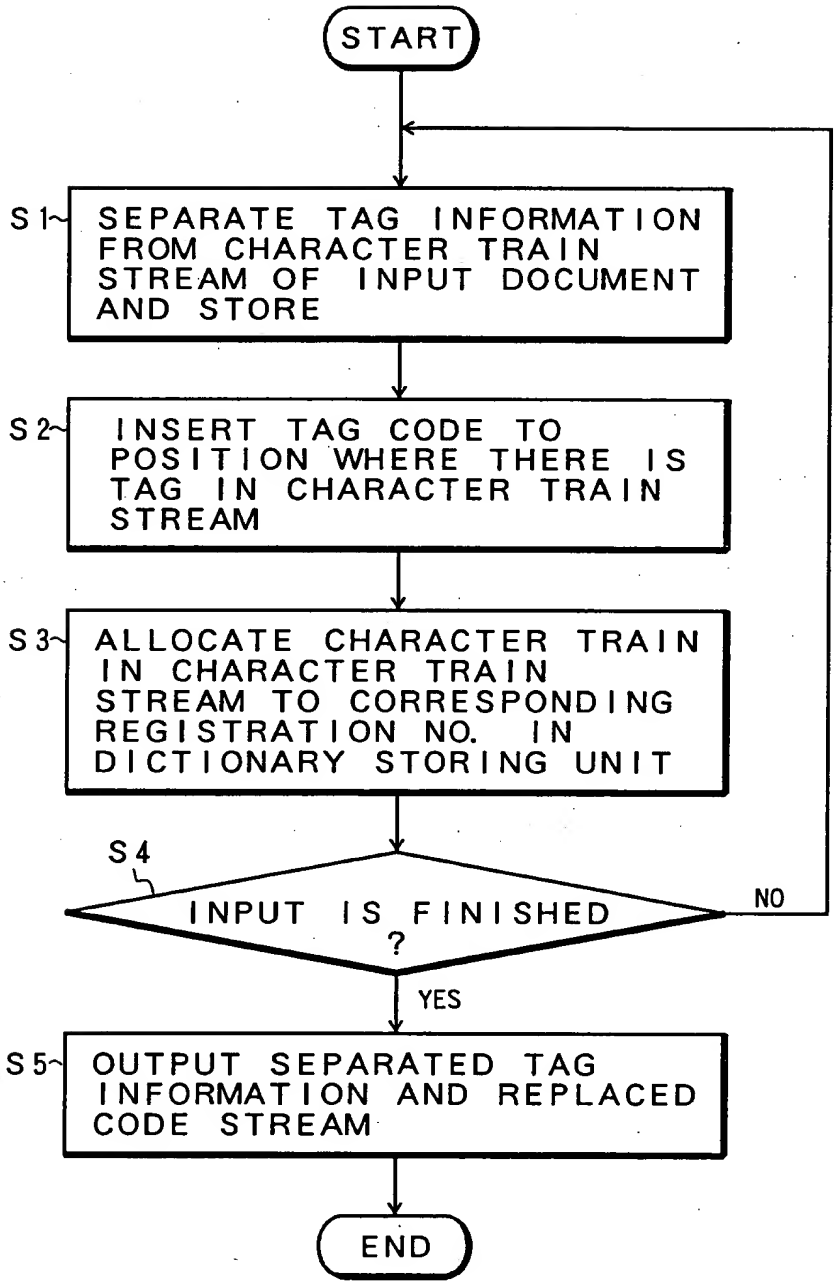
APPROVED BY DRAFTSMAN | O.G. FIG. CLASS | SUBCLASS

FIG. 19



APPROVED BY DRAFTSMAN | O.G. FIG. | CLASS | SUBCLASS

FIG. 20



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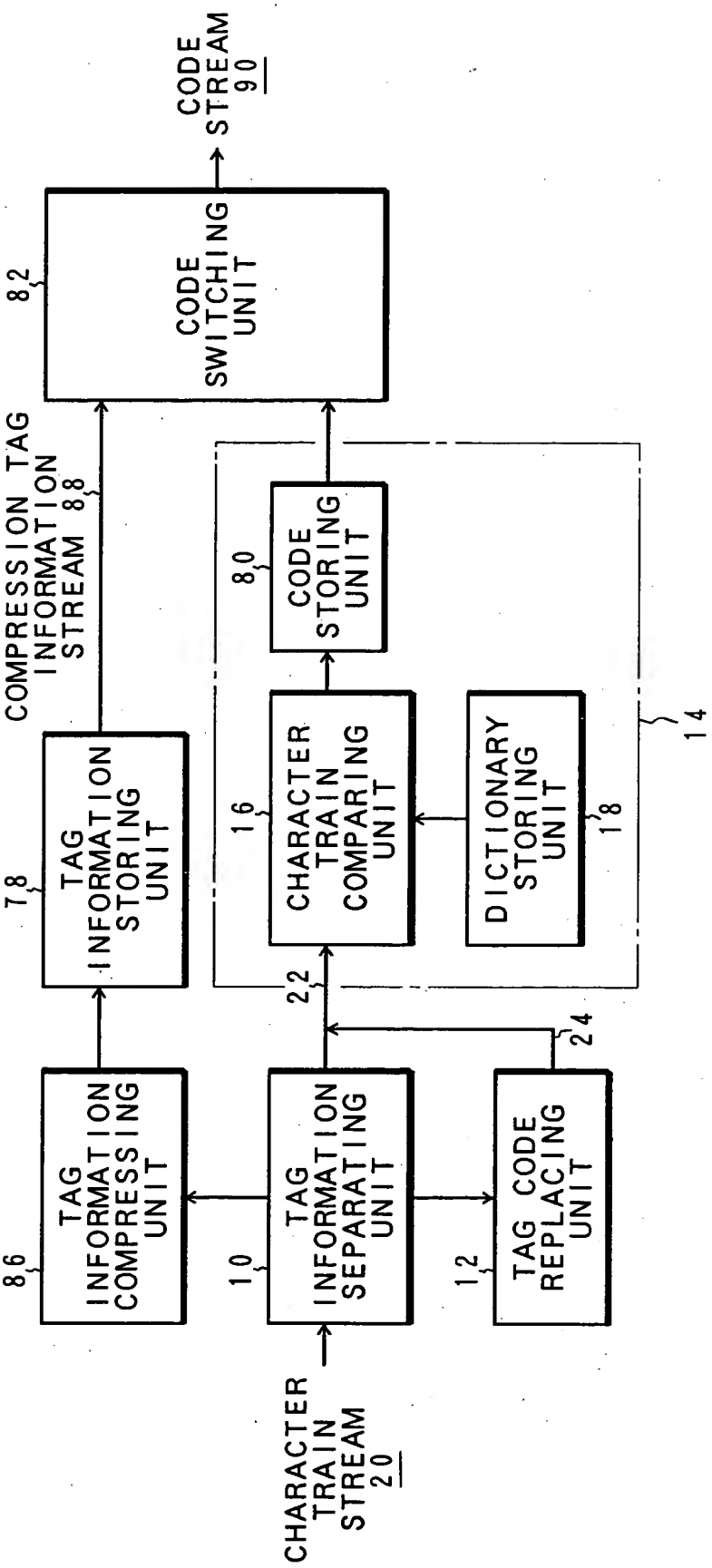
APPROVED BY DRAFTSMAN | O.G. FIG. CLASS | SUBCLASS

FIG. 21



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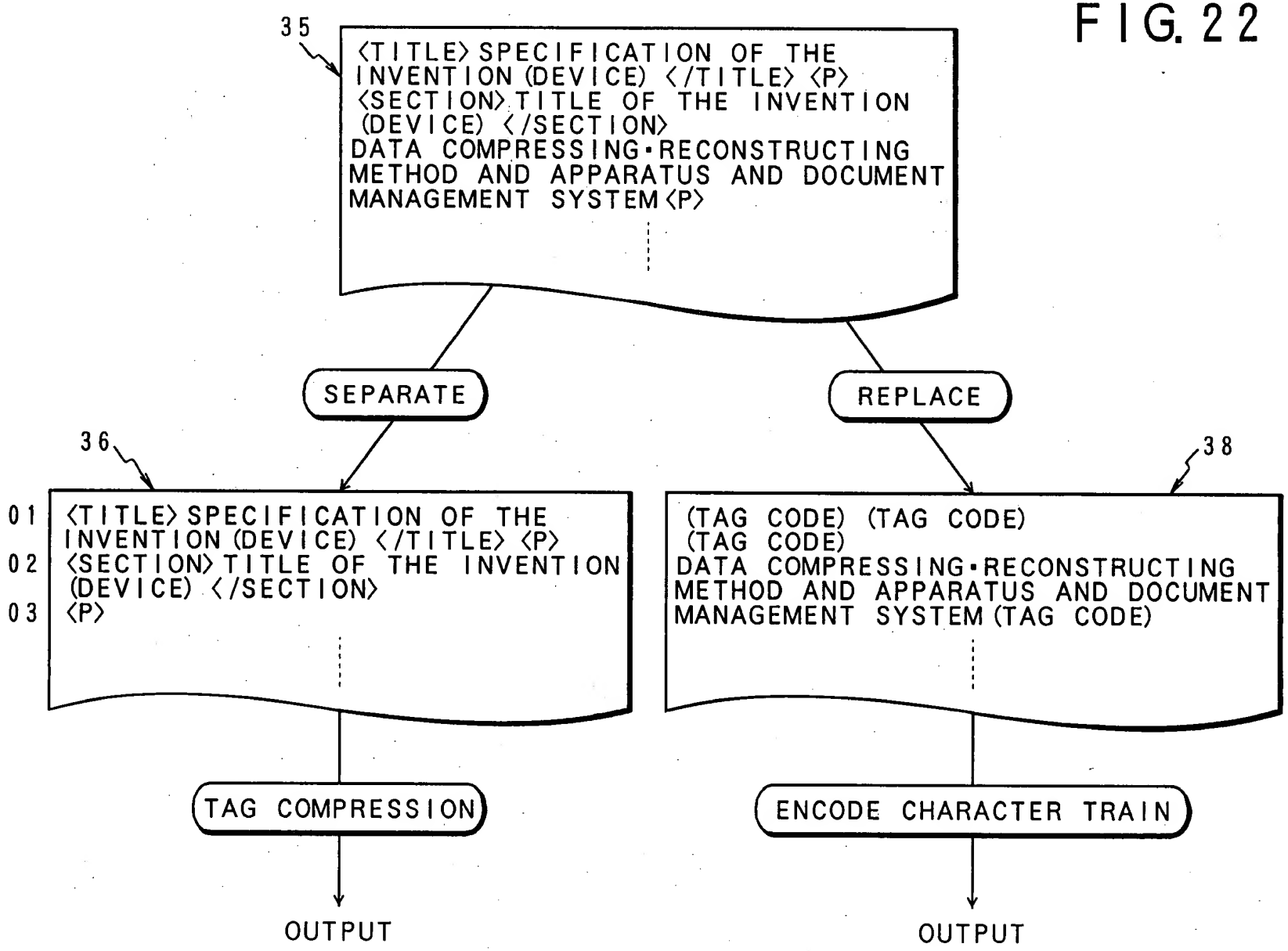
DRAFTSMAN
O.G. FIG.
CLASS
SUBCLASS

FIG. 22



APPROVED BY DRAFTSMAN | O.G. FIG. CLASS | SUBCLASS

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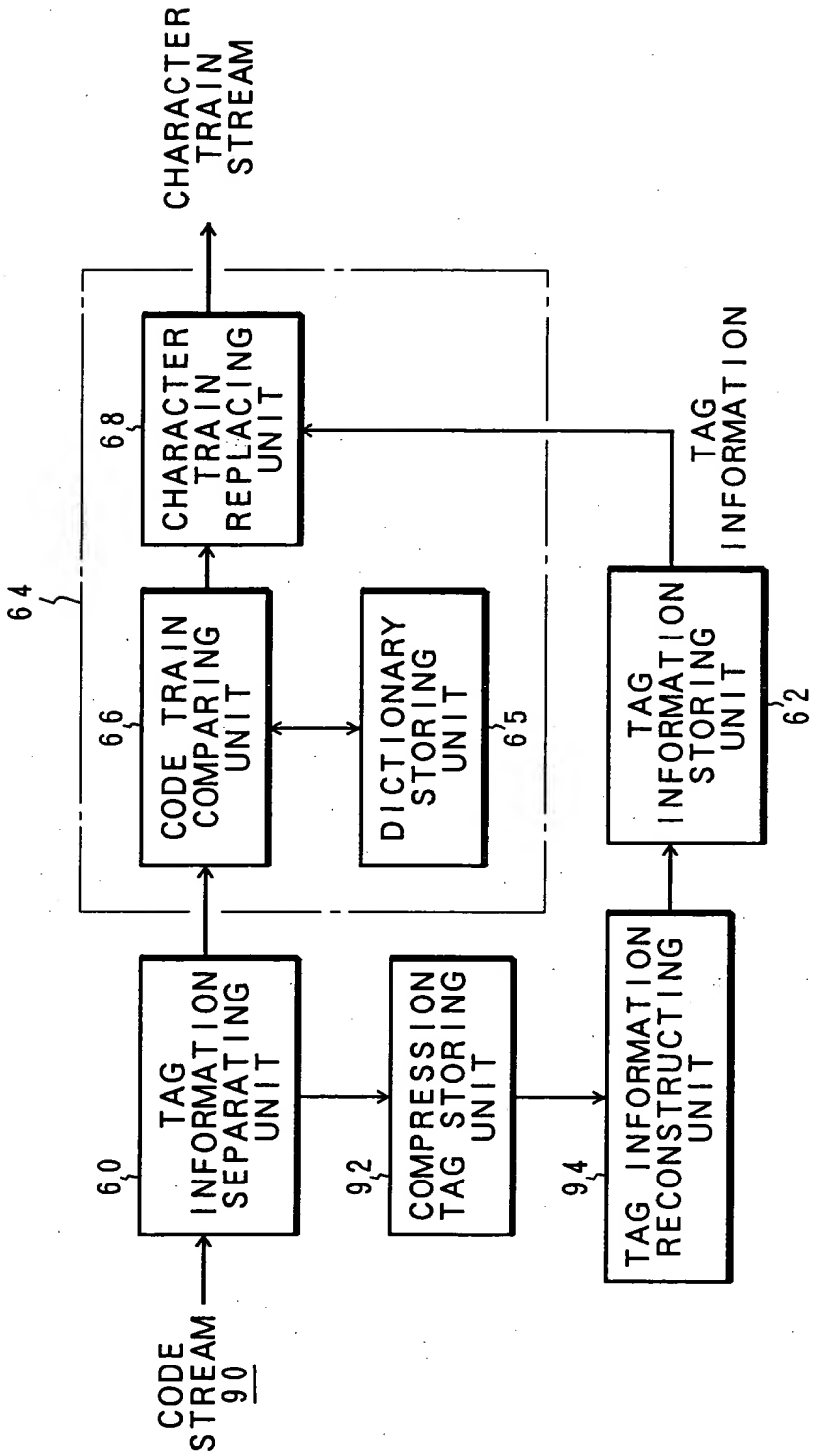
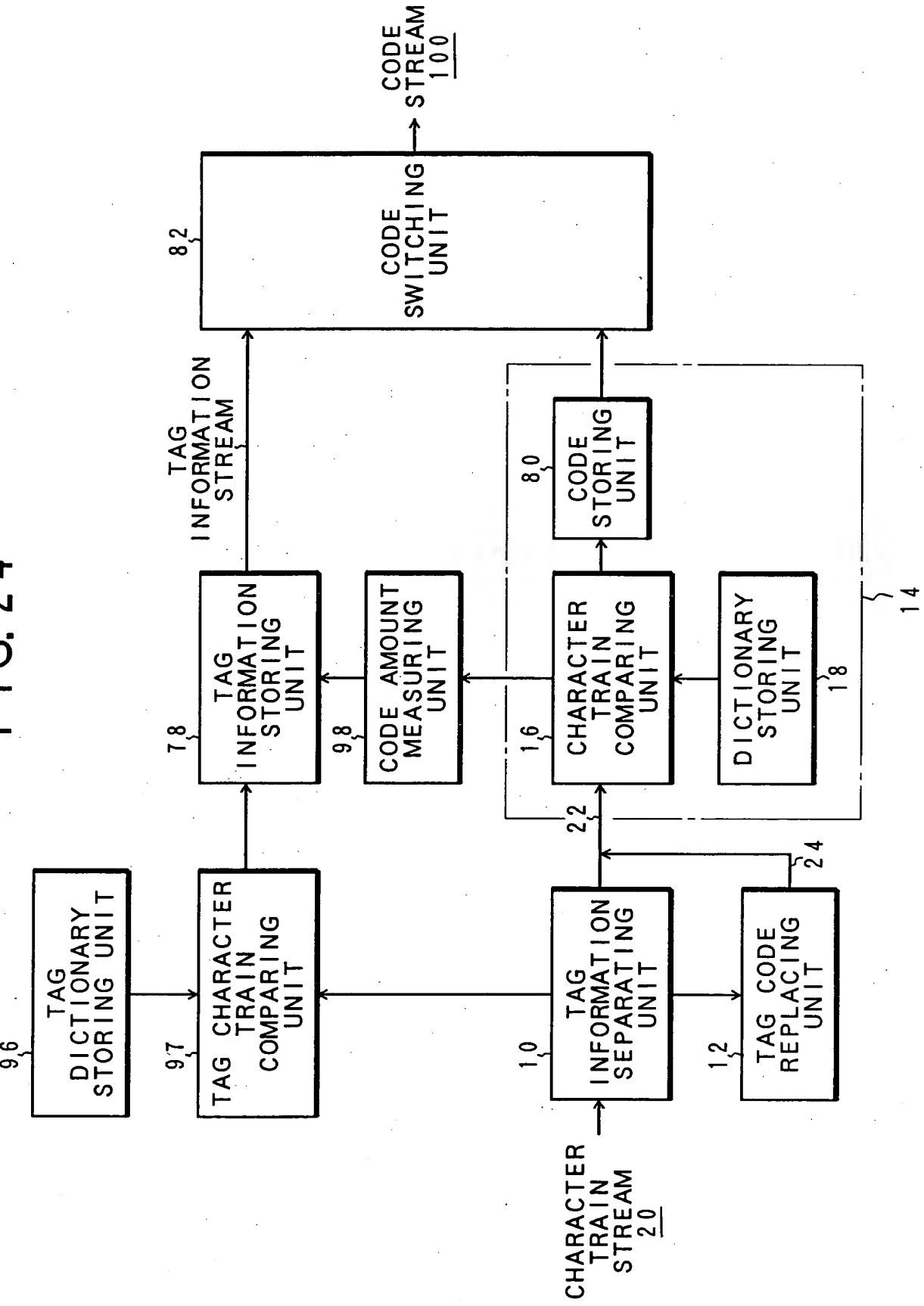
FIG. 23



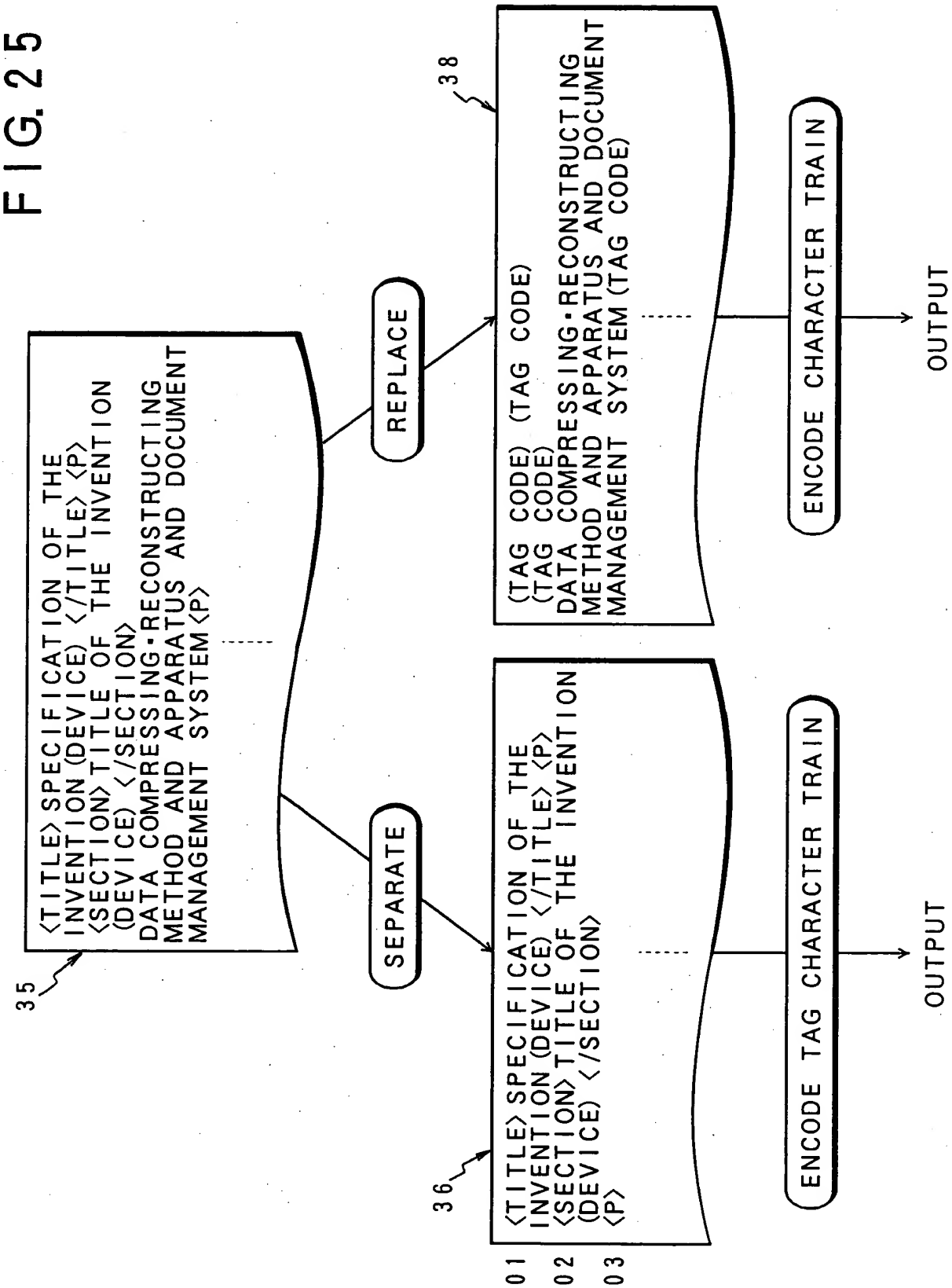
APPROVED BY DRAFTSMAN | O.G. FIG. CLASS | SUBCLASS

FIG. 24



APPROVED BY DRAFTSMAN
O.G. FIG.
CLASS SUBCLASS

FIG. 25



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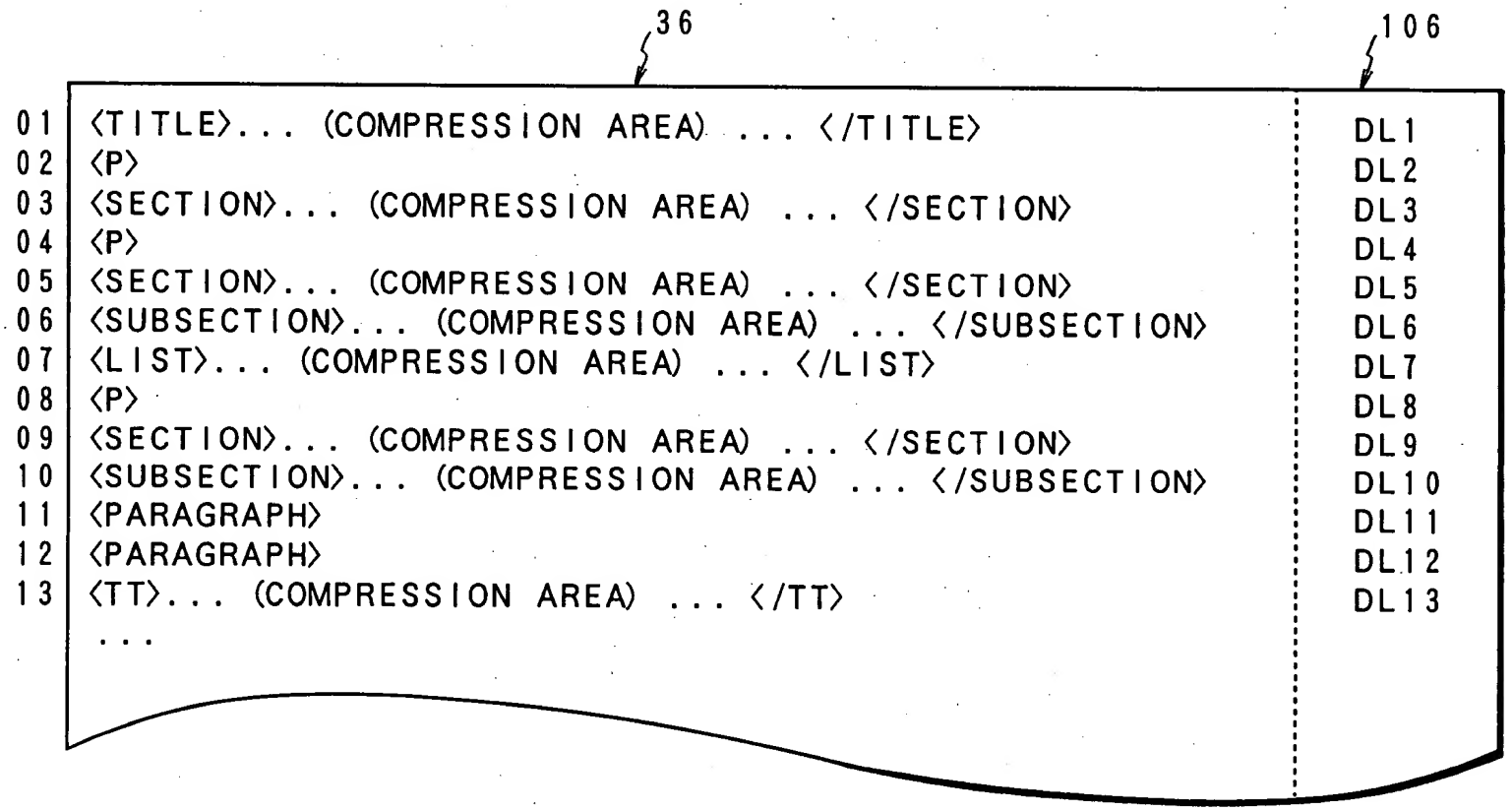
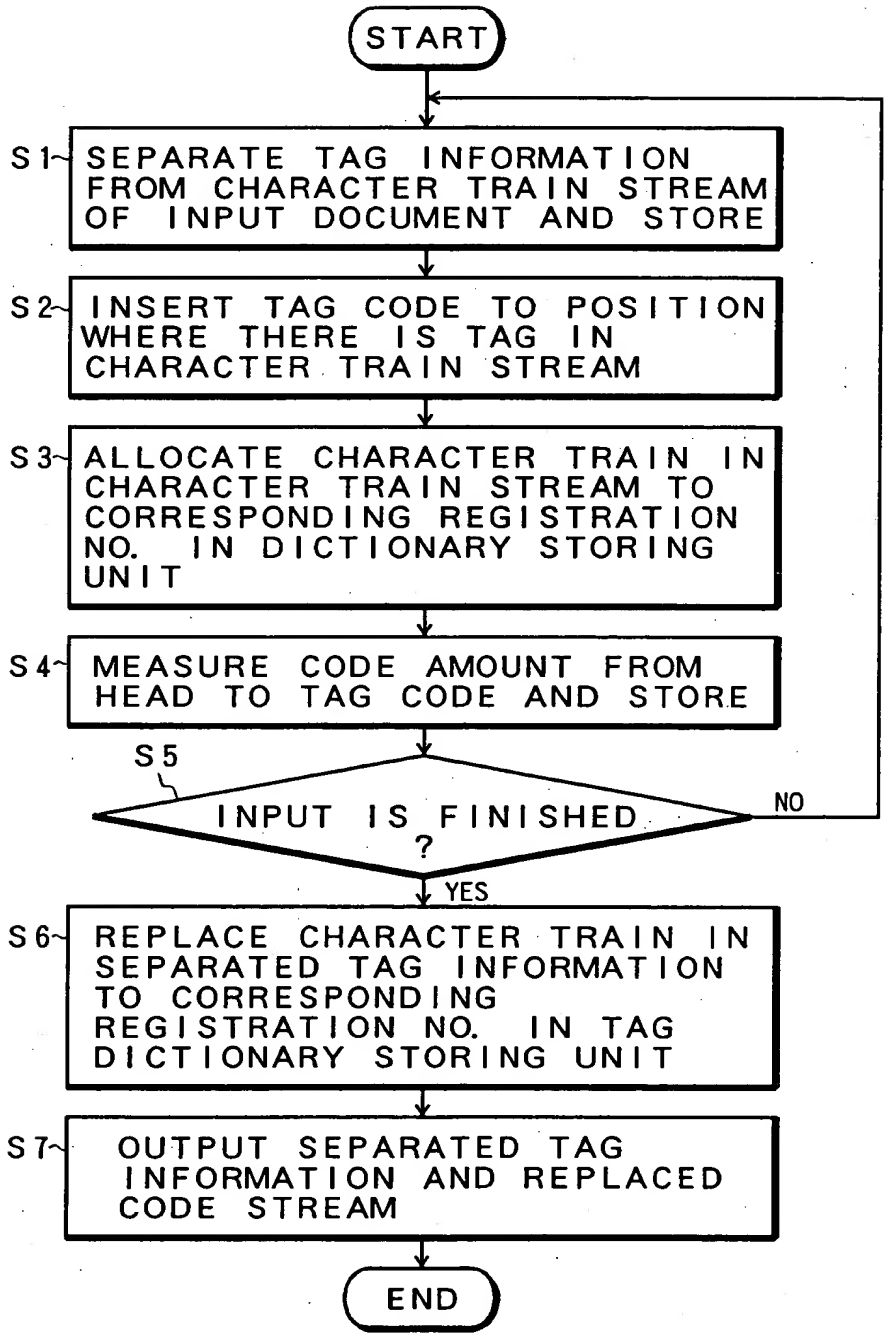
APPROVED BY DRAFTSMAN
O.G. FIG.
CLASS SUBCLASS

FIG. 26



APPROVED BY DRAFTSMAN | O.G. FIG. | CLASS | SUBCLASS

FIG. 27



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APPROVED BY DRAFTSMAN | O.G. FIG. CLASS | SUBCLASS
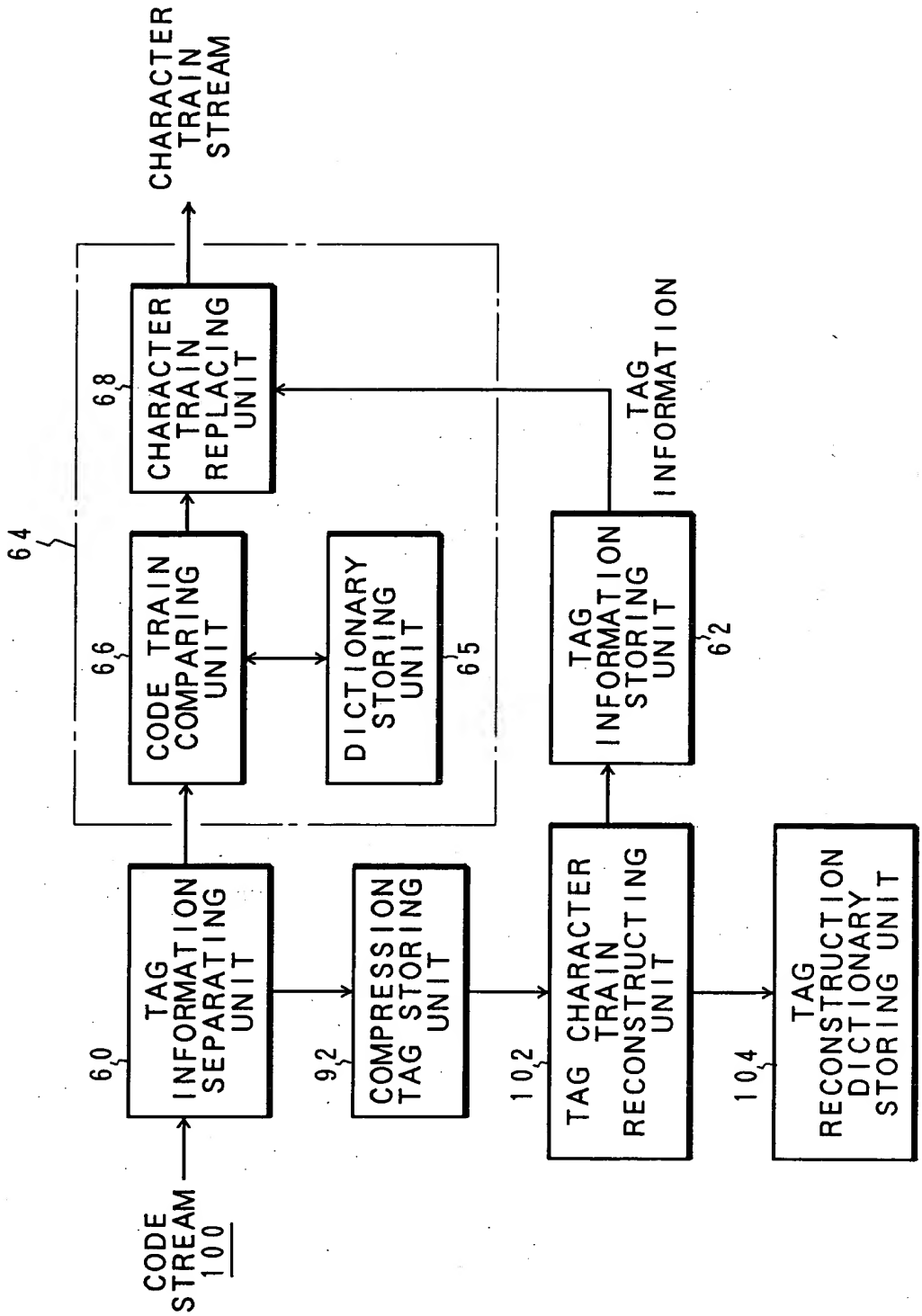
FIG. 28